Statewide Secondary Education Earth and Space Science
Direct Transfer Agreement (DTA)/Major Related (MRP) Agreement
April 2008

This agreement is applicable to transfer students with a clear career goal of teacher certification in Earth and Space Science Education planning to complete a BA in Geology/Earth Space Science at Central Washington University (CWU), Western Washington University (WWU) and Pacific Lutheran University (PLU) or completing the BS in General Science and teacher certification in Earth and Space Science at Washington State University (WSU) or completing the BAE in Earth Science at Eastern Washington University (EWU). The agreement is consistent with Washington State's 2007 Standards for Earth and Space Science endorsement – see http://www.k12.wa.us/certification/profed/competency/2007Standards/EarthSpaceScience.pdf. This agreement is not applicable for students considering transfer to the BS in Geology/Earth & Space Science. Colleges should urge students with an interest in the BS in Geology/Earth & Space Science to follow the AS-T track 1 pathway.

This document represents an agreement that meets all requirements of Washington's Direct Transfer Agreement (DTA) and preparation for the teacher preparation programs in earth and space science. It is an agreement between the baccalaureate institutions offering teacher preparation for the earth and space science secondary endorsement and the community and technical colleges in Washington. Secondary teacher preparation in earth and space science is offered by CWU, EWU, WWU, WSU, and PLU.

Community and technical colleges offering the Secondary Education Earth and Space Science DTA/MRP agree:

- That in offering the Secondary Education Earth & Space Science Direct Transfer Agreement (DTA)/Major Related Program (MRP) each college will assure that the courses matching the requirements specified in the agreement are regarded as course equivalents to the similar required lower division courses offered by each baccalaureate institution party to the agreement.
- When the CTC lists the Secondary Education Earth & Space Science DTA/MRP in their catalog they will specify the courses that are consistent with this agreement.
- When the CTC lists the Secondary Education Earth & Space Science in their catalog they will specify that teacher preparation programs typically require a higher minimum overall GPA than the minimum 2.00. Further, *WAC 180-82A-204* endorsement requirements state that "Only course work in which an individual received a grade of C (2.0) or higher or a grade of pass on a pass-fail system of grading shall be counted toward the course work required for the approved endorsement program." Consequently teacher preparation programs set a minimum GPA on the courses specified in this agreement. Since each institution establishes minimum grade-point average requirements for the overall degree and for the specified course, colleges agree to encourage students to check with their potential future institution regarding GPA minimums. Students need to also know that meeting the minimum requirements does not guarantee admission to the teacher preparation program.
- When the CTC awards the Secondary Education Earth & Space Science DTA/MRP, for purposes of clarity on the transcript and use by SBCTC for reporting, the college will designate completion as follows:

- Sec Ed Earth & Space DTA/MRP Exit Code D (eventually will be Exit Code V) and EPC code ESS and CIP of 13.1399 (college must enter both CIP and EPC)

- If a CTC finds that changes to the MRP are needed, they will notify the Instruction Commission, which will, in turn, notify the Joint Access Oversight Group (JAOG). JAOG will review the changes consistent with review process described on the JAOG web site http://www.sbctc.ctc.edu/college/_e-transferjaog.htm
- The published associate degree listing will include advice to students about contacting potential transfer institutions regarding their interests and specific course choices in each case where options are listed.

The participating baccalaureate institutions agree:

- Students completing the specified DTA/MRP, if admitted to the university, will be admitted as juniors with all or most prerequisites completed for entry into the major applicable for teacher preparation in Secondary Education Earth and Space Science.
- Students completing the specified DTA, if admitted to the university, will be regarded as having completed the lower division general education courses to the same extent that all DTA graduates have completed those requirements (that is, completed except as noted in the DTA provisos).
- Baccalaureate institutions will apply a maximum of 90 to 105 quarter credits (depending on the receiving institution) required under this agreement to the credits required in the bachelor's degree, subject to the provisos in the ICRC DTA agreement.
- Should any baccalaureate institution not require lower division courses specified in the agreement, the institution agrees to accept such courses specified in the agreement as lower division electives or in some limited cases as an equivalent to required upper division courses.
- Baccalaureate institutions will each build an **alert mechanism** into their curriculum review process for changes related to the prerequisites for the Secondary Education Earth & Space Science DTA/MRP major.
  - The alert will go to the institution's JAOG member.
  - If the proposed change will affect lower division course taking, the JAOG member will bring the issue to JAOG attention for action to review or update this Major Related Program agreement.
- Prior to making changes in the admission requirements, institutions agree to participate in the JAOG-designed **review process** and to abide by the related implementation timelines (review process posted on the JAOG web site http://www.sbctc.ctc.edu/college/_e-transferjaog.htm).
- This statewide process applies only to changes[1] in the requirements for admission to the major. References to changes do not include changes in graduation requirements that are completed at the upper division or the GPA an institution may establish for admission to a program.

[1] As judged by impact on students. This statewide process is called into play when potential majors need to complete specific courses not previously identified or present test results or information not included in the agreement.

JAOG agrees:

- JAOG will notify the Higher Education Coordinating Board (HECB) of the review and of subsequent changes made to the agreement.

Associate in Secondary Education Earth and Space Science DTA/MRP

This DTA agreement is the best preparation for a student planning transfer to PLU, EWU, CWU, WWU for a BA in Geology/Earth Space Science with a clear career goal of teacher certification in Earth and Space Science Education and for students planning to transfer to the BS in General Science and teacher certification in Earth and Space Science at WSU.

Students considering BS in Geology/Earth and Space Science with a possible interest in teacher certification should be urged to follow the AS-T track 1 pathway.

Generic DTA Requirements	Associate in Secondary Education Earth & Space Science DTA/MRP
I. Be issued only to students who have earned a cumulative grade point average of at least 2.00, as calculated by the degree awarding institution.	Teacher preparation programs typically require a higher minimum overall GPA than the minimum 2.00. Further, *WAC 180-82A-204* endorsement requirements state that "Only course work in which an individual received a grade of C (2.0) or higher or a grade of pass on a pass-fail system of grading shall be counted toward the course work required for the approved endorsement program." Consequently teacher preparation programs set a minimum GPA on the courses specified in this agreement. Each institution establishes minimum grade-point average requirements for the overall degree and for the specified course. Students are to be encouraged to check with their potential future institution regarding GPA minimums. Students need to also know that meeting the minimum requirements does not guarantee admission.
II. Be based on 90 quarter hours of transferable credit including:	Minimum of 90 and up to 105 quarter credits
1. Communication Skills	

	10 quarter credits **English composition** (equivalent to ENGL& 101 English Composition 1in the CTC common course numbering system*) and a **second English composition** course. Note: WSU requires for admission to the BS in General Science that students complete a 200 or higher level writing class which can be met a the CTC (if a 200 level course is offered to meet this DTA basic requirement) or taken after transfer.
2. a. Quantitative/Symbolic Reasoning Skills **2. b. Intermediate Algebra Proficiency**	5 quarter credits **Pre-calculus II** (equivalent MATH& 142 Pre-calculus II) or a higher level math class.
3. Humanities [1] Selected from at least two disciplines. No more than 10 credits allowed from any one discipline. (No more than 5 credits in foreign language at the 100 level.) No more than 5 credits in performance/skills courses are allowed. Suggested disciplines include[3]: Art, Music, History[2], Philosophy[2] Foreign Language/American Drama/Theater Sign Language[4] Speech Literature	15 credits meeting Humanities requirements per the requirements on the left hand side. Note: Students planning to transfer to EWU should take 5 quarter credits of speech (equivalent to CMST& 101 Introduction to Communication or CMST& 220 Public Speaking)
4. Social Sciences[1]	15 credits • 5 quarter credits **General Psychology** (equivalent PSYC& 100 General Psychology) • 10 other credits meeting Social Science requirements (at least one course in an area other than Psychology)
5. Natural Sciences[1]	35 to 45 credits:

* Discipline abbreviations, numbers and courses numbers are based on the CTC Common Course Numbering System – see http://apps.sbctc.ctc.edu/ccn/ . The CCN System, designed to smooth transfer within the CTC system, will be in use by most colleges for students enrolled in 2008-09 and for all colleges for 2009-10. The website provides a look-up crosswalk to the courses at each college currently regarded as equivalent to the CCN course.

	• 5 quarter credits **Statistics** (equivalent to MATH& 146 Introduction to Stats) • 10 quarter credits **Geology** (equivalent to GEOL& 101 Intro to Physical Geology and GEOL& 103 Historical Geology) • 10 – 15 * quarter credits **General Chemistry** (equivalent to CHEM& 141-142/151-152 General Chemistry with lab) • 10 – 15* quarter credits **Physics** (equivalent to PHYS& 221-222/231-232 Engineering Physics I plus lab or PHYS& 121-122/131-132 General I plus lab); * CWU, EWU, WWU, and PLU require 35 credits. WSU requires 45 credits due to the requirement of a full year sequence in both General Chemistry and Physics (15 credits in each, not 10 credits). Students heading to WSU should be advised to consider completing full year sequences rather than transfer in the middle of the sequences.
6. **Electives**	**Electives** (10 quarter credits) • Recommended additional courses in astronomy, oceanography or meteorology (related to endorsement competency requirements). The baccalaureate institutions will accept 5 quarter credits of **education-specific professional introduction** (a course equivalent to EDUC& 202 Intro to Education) a course that includes: o An exploration of the historical, philosophical and social aspects of education o An evaluation from the field site supervisor observing the student's work with children and o Awareness of the certification process in the state of Washington A maximum of 5 credits in college-level courses typically not regarded as transferable is allowed in the elective category. All other electives must be fully transferable as defined by the receiving institution.

NOTES

[1]Within appropriate distribution areas, colleges are encouraged to develop curriculum which provides students with an understanding of and sensitivity to cultural differences by completing courses requiring study of cultures other than their own. To most, this may include minority, non-Western ethnic, or other area studies.

[2]A specific course may be credited toward no more than one distribution or skill area requirement.

[3]A list of suggested disciplines is subject to review by the ICRC.

[4]Faculty teaching first-year language courses are encouraged to include cultural aspects of study in their courses.

APPENDIX A

Associate in Secondary Education Earth & Space Science DTA/MRP

Participants to the Agreement

The Joint Access Oversight Group (JAOG) reviewed this agreement on April 3, 2008 and forwarded it for approval by the chief academic officers and Teacher Preparation Deans CWU, EWU, WWU, WSU, and PLU and the Instruction Commission representing the chief academic officers of the public community and technical colleges.

The **Instruction Commission, on behalf of the Washington State Community and Technical Colleges,** approved this agreement on [set for May 15], 2008. Listing of the Community and Technical Colleges offering the Associate in Secondary Education Earth and Space Science DTA/MRP are available from the State Board for Community and Technical Colleges at http://www.sbctc.ctc.edu/college/e_transfer.aspx See Signature Page.

Baccalaureate signatures include both Teacher Preparation Deans and Provosts are on file at the Higher Education Coordinating Board for CWU, EWU, WWU, WSU, and PLU. See Signature Page.

APPENDIX B

Secondary Education Earth & Space Science MRP Workgroup Participants

Co-chairs: John (Skip) Paznokas, WSU & Andy Buddington, Spokane CC

Al Friedman & Steve Grupp, Everett CC
Ralph Dawes & Alex Roberts, Wenatchee Valley College
Keith Clay, Bob Filson, Leslie Heizer, Green River CC
Tracey Furutani, North Seattle CC
Jeff Wagnitz, Highline
Jennifer Barson, Spokane Falls CC

Susan M. DeBari & Scott Linneman, WWU
Beth Pratt-Sitaula, CWU
Judd Case, EWU
Jill Whitman & Jan Lewis, PLU

Staff Support: Violet Boyer, Cindy Morana, Andi Smith, Loretta Seppanen

Joint Access Oversight Group Members

Randy Lawrence, Vice President of Instruction, Olympic College, Co-Chair
Jane Sherman, Vice Provost for Academic Policy and Evaluation, WSU, Co-Chair

Bill Eaton, Senior Vice President of Educational Services, Peninsula College
Ivan Gorne, Vice President, Student Services, Bates Technical College
Patricia Onion, Vice President for Educational Services, Whatcom Community College,
Pam Praeger, Vice President for Learning/Chief Academic Officer, Spokane Falls Community College
Laurie Kaye Clary, Vice President of Instruction, Grays Harbor College
Rassoul Dastmozd, Vice President of Instruction, Clark College
Richard Fulton, Vice President of Instruction, Whatcom Community College

Sandra Fowler Hill, Vice President of Instruction, Everett Community College
Tracy Pellett, Associate Vice President for Undergraduate Studies, CWU
Kris Bulcroft, Vice Provost for Undergraduate Education, WWU
John Sahr, Associate Dean, Undergraduate Academic Affairs, UW
Larry Briggs, Associate Vice President for Enrollment Services, EWU
Doug Scrima, Director of Admissions, TESC
Brad Tomhave, Registrar, UPS
Vi Boyer, President and CEO Independent Colleges of Washington -

Randy Spaulding, Director, Academic Affair, HECB
Loretta Seppanen, Assistant Director, Educational Services, SBCTC
Cindy Morana, Associate Director, COP

SIGNATURE PAGE
Associate in Secondary Earth and Space Science DTA/MRP

Participants to the Agreement

The Joint Access Oversight Group (JAOG) reviewed this agreement April 3, 2008 and forwarded it for approval by the chief academic officers and deans of the institutions offering teacher preparation in secondary earth and space science (PLU, CWU, EWU, WSU and WWU) and the Instruction Commission representing the chief academic officers of the public community and technical colleges.

Approved by the Community and Technical Colleges

Pamela G. Krueger, Date Feb 14, 2008
Instruction Commission Chair

for the **Instruction Commission, on behalf of the Washington State Community and Technical College** based on action of the commission.

Approved by the Baccalaureate Institutions:

_____ Date____
Dean, Pacific Lutheran University

_____ Date__
Provost/Chief Academic Officer. Pacific Lutheran University

_____ Date____
Dean, Central Washington University

_____ Date__
Provost/Chief Academic Officer. Central Washington University

_____ Date____
Dean, Eastern Washington University

_____ Date__
Provost/Chief Academic Officer. Eastern Washington University

_____ Date____
Dean, Washington State University

_____ Date__
Provost/Chief Academic Officer. Washington State University

_____ Date____
Dean, Western Washington University

_____ Date__
Provost/Chief Academic Officer, Western Washington University

These baccalaureate signatures are kept on file at the Higher Education Coordinating Board for PLU, CWU, EWU, WSU and WWU. The Instruction Commission approval is included in the minutes of the _____, 2008 meeting available online at http://www.sbctc.ctc.edu/college/_g-icmtgmins.aspx